

Norway Spruce

Picea abies



Type	Evergreen Tree
Height	40 - 100 Feet
Spread	20 - 50 Feet
Form	Pyramidal
Utilities	Incompatible
Growth Rate	Fast
Life Expectancy	Medium
USDA Zone	3 - 7
Root Type	Fibrous Shallow

Plant Community

Sun	Full Sun
Orientation	All Orientations
Soil Texture	Sandy Loam through Clay

Soil Water Holding Capacity	Xeric or Mesic
Topography	Upland

Plant Community Forest

Origin Europe

Succession Climax

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Flowers/Foliage/Fruit

Flower Color Pink

Flower Season Spring

Fruit Cone

Fruit Color Dark Brown

Fruit Season Autumn

Summer Texture Medium

Winter Texture Medium

Spring Foliage Green

Summer Foliage Green

Fall Foliage Green

Winter Foliage Green



Soils

Salt Spray Moderate

Soil Salt Moderate

Compaction Intolerant

Water Table 24 Inches

Drainage Moderate

Flood Tolerance Intolerant

Drought Tolerance Tolerant

Moisture Regime Dry, Moist or Wet

pH 4.7 through 7.5

Planting Ease

Spring Bareroot Easy

Fall Bareroot

Spring Container Easy

Fall Container Moderate

Spring Seed

Fall Seed

Windbreak Group WSG1, WSG2, WSG3 or WSG5

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Maintenance

Formal	Low
Informal	Low
2, 4-D Tolerance	Sensitive
DicambaTolerance	Sensitive
PicloramTolerance	Sensitive
Clopyralid Tolerance	
Artificial Light	
Sulfur Dioxide	Sensitive
Ozone Tolerance	Tolerant
Hydrogen Flouride	
Nitrogen Oxide	Moderate



Pests/Problems

Allergens both sexes 3

Invasivness

Toxicity

Cold Injury Infrequent

Storm Damage Infrequent

Biological Control

Mechanical Control

Chemical Control

Miscellaneous

Wildlife Rating High

Insect Concerns Minor

Disease Concerns Minor

Wildlife Concerns Deer

Comments

Seed source is critical for winter survival. Largest and fastest growing spruce. Tree thins as it ages. Large cones often used in decorations. 'Pendula' is a weeping cultivar.